EIIS Incident Report
Part A: General Information

Incident ID
I024153-007

County: Orange
State: CA
Country: USA

Incident Date: 8/5/2010 **through**
Total Number:
Total Magnitude:

Year: 2010
Case #: S1006213
Weather:

Incident Type

- Aqua. Animal
- ✔ Terr. Animal
- Field Study
- Aqua. Plant
- Terr. Plant

Created: ########
Updated: ########

Abstract:

A lethargic, female mountain lion was shot for human safety reasons in California. The anticoagulant rodenticides brodifacoum (0.10 ppm), bromadiolone (0.80 ppm), difethialone (trace), and diphacinone (trace) were detected in the mountain lion's liver. In the absence of evidence of coagulopathy their detection in liver sample is indicative of exposure but not intoxication.

Reports

Package #	Incident #	Source	Report Date
024153	007	California Animal Health and Safety	11/13/2010

EIIS Incident Report
Part B: Pesticide Information

I024153-007

County: Orange **State:** CA **Date:** 8/5/2010

Pesticide: **Brodifacoum (112701)** **Type:** R

Use Site:

Product: **Appl. Method:** **Appl. Rate:**

Formulation: **Air/Ground:** **Legality:** Undetermined

Certainty: Unrelated

A lethargic, female mountain lion was shot for human safety reasons in California. The rodenticides brodifacoum, bromadiolone, difethialone, and diphacinone were detected in the mountain lion's liver. In the absence of postmortem findings consistent with coagulopathy, the detection of rodenticides in mountain lions is considered an incidental finding and consistent with exposure but not intoxication.

Pesticide: **Bromadiolone (112001)** **Type:** R

Use Site:

Product: **Appl. Method:** **Appl. Rate:**

Formulation: **Air/Ground:** **Legality:** Undetermined

Certainty: Unrelated

A lethargic, female mountain lion was shot for human safety reasons in California. The rodenticides brodifacoum, bromadiolone, difethialone, and diphacinone were detected in the mountain lion's liver. In the absence of postmortem findings consistent with coagulopathy, the detection of rodenticides in mountain lions is considered an incidental finding and consistent with exposure but not intoxication.

Pesticide: **Difethialone (128967)** **Type:** R

Use Site:

Product: **Appl. Method:** **Appl. Rate:**

Formulation: **Air/Ground:** **Legality:** Undetermined

Certainty: Unrelated

A lethargic, female mountain lion was shot for human safety reasons in California. The rodenticides brodifacoum, bromadiolone, difethialone, and diphacinone were detected in the mountain lion's liver. In the absence of postmortem findings consistent with coagulopathy, the detection of rodenticides in mountain lions is considered an incidental finding and consistent with exposure but not intoxication.

Pesticide: **Diphacinone (067701)** **Type:** R

Use Site:

Product: **Appl. Method:** **Appl. Rate:**

Formulation: **Air/Ground:** **Legality:** Undetermined

Certainty: Unrelated

A lethargic, female mountain lion was shot for human safety reasons in California. The rodenticides brodifacoum, bromadiolone, difethialone, and diphacinone were detected in the mountain lion's liver. In the absence of postmortem findings consistent with coagulopathy, the detection of rodenticides in mountain lions is considered an incidental finding and consistent with exposure but not intoxication.

EIIS Incident Report
Part C: Species Information

I024153-007

County: Orange **State:** CA **Date:** 8/5/2010

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Species: **Mountain lion**
Sci. Name: Felis concolor
Taxon: Mammal
Age:

Response:
Magnitude: 1
Habitat:
Distance:
Rt. of Exposure: Secondary poisoning

Necropsy

Number: 1
Condition: Good

Cholinesterase

Number:
Activity: um/g/min
Percent of Normal

Tissue Residues

Sample Type	PC Code	Pesticide	N	Conc. (ppm)
Liver	067701	Diphacinone	1	Trace
Liver	128967	Difethialone	1	Trace
Liver	112001	Bromadiolone	1	0.80
Liver	112701	Brodifacoum	1	0.10

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Part D: Environmental Measurements

County:	State:	Date:

Common Name	PC Code	Degredate

		Min.	Max.	N	LOD
Concentrations in ppb	Water				
	Soil				
	Sediment				
	Foliage				

	Description	Concentration	N	LOD
Other Samples				

Dissolved Oxygen (ppm)	to	pH	to	